| S1 | 100 | (US-20050169119-$ or US-20030012109-$ or US-20030198151-$ or US-20010050338-$ or US-20030123044-$ or US-20050099609-$ or US-20060103808-$).did. or (US-5592460-$ or US-5901122-$ or US-5347366-$ or US-4919511-$ or US-6344936-$ or US-4445209-$ or US-3555280-$ or US-5189464-$ or US-5414681-$ or US-5620766-$ or US-6320837-$ or US-5199013-$ or US-4302830-$ or US-4516159-$ or US-4775967-$ or US-5218596-$ or US-7079464-$ or US-4904855-$ or US-5870635-$ or US-5249010-$ or US-4931820-$ or US-5012267-$ or US-5790901-$ or US-5805941-$ or US-5859417-$ or US-4367010-$).did. or (US-4572642-$ or US-4818865-$ or US-4935763-$ or US-5181144-$ or US-5331143-$ or US-5396336-$ or US-5463442-$ or US-5504350-$ or US-3788731-$ or US-4294506-$ or US-4300156-$ or US-4314154-$ or US-4419581-$ or US-4537483-$ or US-4592625-$ or US-4633077-$ or US-4784487-$ or US-4812030-$ or US-4828383-$ or US-4900911-$ or US-5214485-$ or US-5249033-$ or US-5249057-$ or US-5267012-$ or US-5287338-$ or US-5291093-$ or US-5307175-$).did. or (US-5353077-$ or US-5422699-$ or US-5438190-$ or US-5440340-$ or US-5512804-$ or US-5539481-$ or US-5771408-$ or US-5818155-$ or US-6069651-$ or US-6115191-$ or US-6166483-$ or US-6339564-$ or US-6353282-$ or US-6462874-$ or US-6476955-$ or US-6650401-$ or US-6677585-$ or US-7165849-$ or US-4838675-$ or US-5670064-$ or US-5239170-$ or US-4977425-$ or US-5448295-$ or US-4763004-$ or US-4933553-$ or US-5331370-$ or US-5343013-$).did. or (US-5982476-$ or US-4456821-$ or US-4593705-$ or US-4382337-$ or US-4550623-$ or US-4795411-$ or US-4838076-$ or US-4906881-$ or US-4938729-$ or US-5060764-$ or US-5345140-$ or US-5396837-$ or US-5669133-$) did | US-PGPUB; USPAT | OR | ON | 2007/04/13 14:41 |

EAST Search History

S2	22511	voice near2 coil	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 16:10
S3	13774	(lens near5 mov$3) with (distance amount range)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 16:06
S4	47	(lens near5 mov$3) with ((distance amount range) near10 (optim$5 near2 focus))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 16:56
S5	1	S2 same S4	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 16:09
S6	2	coil same S4	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 16:13
S7	920	(lens near5 (slid$3 position$3 mov$3)) same ((distance amount range) near10 (optim$5))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 16:16
S8	897	((sum near2 signal) near10 (optim$5 focus))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 16:27
S9	3	((sum near2 signal) near10 (coil near2 gain))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 16:28
S10	4	((sum near2 signal) with (coil near2 gain))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 16:28
S11	22511	voice near2 coil	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 16:44
S12	2939	((chang$3 adjust$3 difference) near2 (coil near3 volt$3))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 16:45
S13	1	S4 and S12	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 16:47
S14	23	S3 and S12	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 16:47
S15	1	S14 and ((S3 same (optim$5 near2 focus)) or (S12 same (optim$5 near2 focus)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 16:59
S16	90	((S3 same (optim$5 near2 focus)) or (S12 same (optim$5 near2 focus)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 17:02

EAST Search History

S17	0	((S3 same (optim$5 near2 focus)) and (S12 same (optim$5 near2 focus)))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 17:03
S18	0	(S12 same (optim$5 near2 focus))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 17:03
S19	2	("3101440").PN.	EPO	OR	OFF	2007/04/13 14:42
S20	634689	calibrat$6 or initializ$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 09:44
S21	1461380	offset or gain	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 09:44
S22	1465043	coil	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 09:44
S23	11105	focus$5 near2 servo	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 09:45
S24	887419	(cd dvd cdrom ((compact optical digital) near2 (disc disk medium)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 09:46
S25	0	(S20 near10 S21 near10 S22) and (S24 near10 "6")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 10:00
S26	321473	label	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 09:46
S27	2	(S20 near10 S21 near10 S22) and (S24 near10 S26)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 10:00

S28	0	(S20 near10 S21 near10 S23) and (S24 near10 S26)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 09:47
S29	62	(S20 near10 S21 near10 (S22 or S23)) and (S24)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 10:03
S30	968	(369/44.29).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 09:59
S31	62	((S20 near10 (S22 or S23)) and (S24)) and S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 10:00
S32	36	S31 not S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 10:00
S33	634689	calibrat$6 or initializ$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 14:36
S34	1465043	coil	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 14:36
S35	11105	focus$5 near2 servo	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 14:36
S36	887419	(cd dvd cdrom ((compact optical digital) near2 (disc disk medium)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 14:36
S37	968	(369/44.29).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 14:36

S38	62	((S33 near10 (S34 or S35)) and (S36)) and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 14:37
S39	321473	label	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/17 14:37
S40	1	((S33 near10 (S34 or S35)) and ((S36 near S39) or (S36 same S39))) and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/18 09:44
S41	1	(("2002191517") or ("4967404")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/18 11:30
S42	0	2002/191517	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/18 09:45
S43	1	("20040161257").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/18 13:39
S44	4	(("5831953") or ("5748607") or ("5504688") or ("6046970")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/18 15:24
S45	15126	feed adj forward	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/18 15:24
S46	968	(369/44.29).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/18 15:25
S47	61	S45 and S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/18 15:58
S48	634689	calibrat$6 or initializ$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/18 16:01

S49	1461380	offset or gain	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/18 16:01
S50	1465043	coil	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/18 16:01
S51	11105	focus$5 near2 servo	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/18 16:01
S52	605	(determin$3 find$3 set$3 or S48) near5 ((S51 S50) near5 S49)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/18 16:02
S53	59	S52 and S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/18 16:02
S54	968	(369/44.29).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:32
S55	635342	calibrat$6 or initializ$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:32
S56	1462459	offset or gain	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:32
S57	1465458	coil	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:32
S58	11112	focus$5 near2 servo	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:32

EAST Search History

S59	605	(determin$3 find$3 set$3 or S55) near5 ((S58 S57) near5 S56)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:44
S60	59	S59 and S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:33
S61	242303	(every all whole entire) near3 (disk area location)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:40
S62	39	S59 and S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:38
S63	1	S59 near10 S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:39
S64	2	S59 same S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:59
S65	3902	((every all each whole entire) near3 ((position region area location) near4 (disc disk)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 08:56
S66	0	S59 near10 S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:41
S67	0	S59 same S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:41
S68	1341	((every all each) near3 ((position region area location) near4 (whole entire disc disk)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 13:37

S69	24505	(whole entire) near3 (disc disk)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:42
S70	0	S59 near10 (S68 S69)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:43
S71	0	S59 same (S68 S69)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:43
S72	0	((determin$3 find$3 set$3 or S55) with ((S58 S57) near5 S56)) same (S68 S69)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 09:44
S73	2	((S57 S58) near10 S56) near10 (S68 S69)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 10:02
S74	1	((S57 S58) near5 S56) near10 (S68 S69)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 10:03
S75	4	((S57 S58) near5 S56) same (S68 S69)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 10:04
S76	2	((S57 S58) near5 S56) with (S68 S69)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 13:39
S78	2327	((every all each) near3 (position region area location)) near10 (whole entire disc disk)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 13:38
S79	1462459	offset or gain	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 13:39

EAST Search History

S80	1465458	coil	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 13:39
S81	11112	focus$5 near2 servo	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 13:39
S82	0	((S80 S81) near5 S79) with S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 13:40
S83	0	((S80 S81) near5 S79) near10 S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 13:40
S84	9289	((S80 S81) near5 S79)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 13:40
S85	0	S84 same S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/19 13:40
S86	58047	(every all each whole entire) near10 (disc disk)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 09:30
S87	968	(369/44.29).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 09:02
S88	191	S86 and S87	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 09:21
S89	133	S88 not (S86 near5 (drive apparatus))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 09:23

EAST Search History

S90	120	S88 not (S86 near5 (drive apparatus device))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 09:31
S91	122575	(every all each whole entire) near10 (disc disk medium media)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 09:31
S92	217	S91 and S87	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 09:31
S93	146	S92 not (S86 near5 (drive apparatus device))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 13:55
S94	0	2002/0150005	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/26 09:23
S95	1	"20020150005"	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/26 09:24